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OCT 1 6 2006

Atty Docket No. 018547-008213US

PTO FAX NO.: 1-571-273-8300

ATTENTION: OFFICE OF PETITIONS   Group Art Unit 1631

OFFICIAL COMMUNICATION

FOR THE PERSONAL ATTENTION OF

OFFICE OF PETITIONS

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following documents in re Application of Mark S. Chee et al., Application No. 10/616,228, filed July 8, 2003 for COMPUTER-AIDED VISUALIZATION AND ANALYSIS SYSTEM FOR SEQUENCE EVALUATION are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Documents Attached

1. Transmittal Form (1 p)
2. Fee Transmittal (1 p in duplicate) (2 pp)
3. Petition for Revival of an Application for Patent Abandoned Unintentionally Under 37 CFR 1.137(b) (2 pp)
4. Amendment (13 pp)
5. This Certification of Facsimile Transmission (1 p)

Number of pages being transmitted, including this page: 19

Dated: October 16, 2006
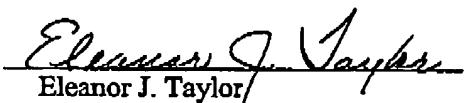
Eleanor J. Taylor

PLEASE CONFIRM RECEIPT OF THIS PAPER BY
RETURN FACSIMILE AT (415) 576-0300

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, CA 94111-3834
Telephone: 650-326-2400
Fax: 650-326-2422
60893316 v1

PTO/SB/21 (07-06)

TRANSMITTAL FORM	Application Number	10/616,228
	Filing Date	July 8, 2003
	First Named Inventor	Mark S. Chee
	Art Unit	1631
(to be used for all correspondence after initial filing)	Examiner Name	Pablo S. Whaley
Total Number of Pages In This Submission	Attorney Docket Number	018547-008213US

ENCLOSURES   *(Check all that apply)*

☒ Fee Transmittal Form
　☐ Fee Attached
☒ Amendment/Reply
　☐ After Final
　☐ Affidavits/declaration(s)
☐ Extension of Time Request
☐ Express Abandonment Request
☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)
☐ Reply to Missing Parts/ Incomplete Application
　☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53

☐ Drawing(s)
☐ Licensing-related Papers
☒ Petition
☐ Petition to Convert to a Provisional Application
☐ Power of Attorney, Revocation Change of Correspondence Address
☐ Terminal Disclaimer
☐ Request for Refund
☐ CD, Number of CD(s) _____
　☐ Landscape Table on CD

☐ After Allowance Communication to TC
☐ Appeal Communication to Board of Appeals and Interferences
☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
☐ Proprietary Information
☐ Status Letter
☒ Other Enclosure(s) (please identify below):
Certification of Facsimile Transmission

Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Townsend and Townsend and Crew LLP	
Signature	*Daniel Mao*	
Printed name	Daniel Mao	
Date	October 16, 2006	Reg. No. 51,995
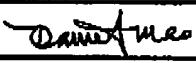
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. 571-273-8300 on October 16, 2006.
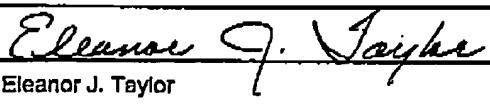
Signature	*Eleanor J. Taylor*	
Typed or printed name	Eleanor J. Taylor	Date October 16, 2006

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PTO/SB/17 (07-06)

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2006

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	($) 1500

Complete if Known	
Application Number	10/616,228
Filing Date	July 8, 2003
First Named Inventor	Mark S. Chee
Examiner Name	Whaley, Pablo S.
Art Unit	1631
Attorney Docket No.	018547-008213US

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account   Deposit Account Number: 20-1430   Deposit Account Name: Townsend and Townsend and Crew LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below   ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17   ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES Fee ($)	FILING FEES Small Entity Fee ($)	SEARCH FEES Fee ($)	SEARCH FEES Small Entity Fee ($)	EXAMINATION FEES Fee ($)	EXAMINATION FEES Small Entity Fee ($)	Fees Paid ($)
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ -20 or HP = _____	x _____	= _____	

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ -3 or HP = _____	x _____	= _____	

HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims	
Fee ($)	Fee Paid ($)
_____	_____

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee ($)	Fee Paid ($)
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x	_____	= _____

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	_____
Other (e.g., late filing surcharge): Petition Fee (37 CFR 1.17(m))	1500

SUBMITTED BY

Signature	[signature]	Registration No. (Attorney/Agent) 51,995	Telephone 650-326-2400
Name (Print/Type)	Daniel Mao		Date October 16, 2006

60893289 v1

PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)	Docket Number (Optional) 018547-008213US

First named inventor: Mark S. Chee

Application No.:   10/616,228   Art Unit: 1631

Filed: July 8, 2003   Examiner: Pablo S. Whaley

Title: Computer-Aided Visualization and Analysis System for Sequence Evaluation

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
FAX: (571) 273-8300

> NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (571) 272-3282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the office notice or action plus any extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:
(1) Petition fee;
(2) Reply and/or issue fee;
(3) Terminal disclaimer with disclaimer fee — required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
(4) Statement that the entire delay was unintentional.

1. Petition fee

☐ Small entity — fee $ _____ (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.

☒ Other than small entity — fee $ _1,500_____ (37 CFR 1.17(m))

2. Reply and/or fee
   A. The reply and/or fee to the above-noted Office action in the form of _Amendment_____ (identify type of reply):

   ☐ has been filed previously on _____.
   ☒ is enclosed herewith.

   B. The issue fee and publication fee (if applicable) of $ _____.
   ☐ has been paid previously on _____.
   ☐ is enclosed herewith.

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3. Terminal disclaimer with disclaimer fee

☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of $_____ for a small entity or $_____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. ☒ For fees authorized to be paid hereinabove, the Commissioner is hereby authorized to charge the fees, any deficiency of fees, and credit of any overpayments, to Deposit Account No. __20-1430__.

5. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

~~Daniel Mao~~	October 16, 2006
Signature	Date
Daniel Mao	51,995
Typed or printed name	Registration Number, if applicable
Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor San Francisco, CA 94111-3834	650-326-2400
Address	Telephone Number

Enclosures: ☐ Fee Payment

☒ Reply - Amendment

☐ Terminal Disclaimer Form

☐ Additional sheets containing statements establishing unintentional delay

☐ Other:_____

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

☐ Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

☒ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (571) 273-8300.

October 16, 2006	_Eleanor J. Taylor_
Date	Signature
	Eleanor J. Taylor
	Typed or printed name of person signing certificate

[Page 2 of 2]

60893149 v1